

46. The system of Claim 45 further comprising means for detecting an interferer signal characteristic discontinuity location in the sequence of symbols.

5           47. The system of Claim 46 wherein the means for partitioning the sequence of symbols into a plurality of subfields further comprises means for partitioning the sequence of symbols into a plurality of subfields based on the detected interferer signal characteristic discontinuity location to position the detected interferer signal characteristic discontinuity location at a transition between ones of the  
10 subfields.

15           48. The system of Claim 47 wherein the means for determining a desired demodulation type for use in demodulating the subfields further comprises means for estimating interferer signal characteristics for the ones of the subfields and selecting either non-interferer cancellation or interferer cancellation demodulation based on the estimated interferer signal characteristics.